



SUBSTITUTE SPECIFICATION

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DIGITAL TEXTILE PRINTER

BACKGROUND OF THE INVENTION

The present invention relates to a digital textile printer, and more particularly a printer performing effectively not only general printing operations to a relatively thick printing material (textile fabrics or papers), such as a banner, an advertising material, or a photograph, but also textile printing operations to very thin printing material, such as textile fabrics.

Generally, in the conventional printer utilizing a technique of subtractive mixture, a digital controller sends digitalized signals to a head of the printer, so that the head may inject proper amounts of ink of three primary colors comprising magenta, yellow, and cyan, and of a black color to a printing material to produce various color tones. Therefore, the latest printer makes it possible for a user to design more easily what she/he wants.

In the technique of subtractive mixture, the head of the printer is equipped with several ink reservoirs, while each ink reservoir contains one color respectively. The head injects proper amounts of ink from each reservoir to produce a new color tone. The head is often further equipped with another ink reservoir containing special color to produce a new color tone, if necessary.